



Arizona Department of Education

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CTE FACTS

CTE FACTS is published monthly during the school year and highlights informative educational statistics related to Career and Technical Education (CTE).

CTE STUDENT ORGANIZATIONS

During school year 2004-2005, 17,622 Arizona students were members of Arizona CTE student organizations. Recently, a national study was conducted covering that school year which collected data from approximately 5,000 Career and Technical Student Organization (CTSO) members, CTE students, general students and teachers across multiple states focusing on the academic and behavioral outcomes of these students. Below is a summary of some of the findings:

Researchers from the National Research Center for Career and Technical Education at the University of Minnesota and University of Illinois found that students varied on a number of characteristics and attitudes that have implications for post-high school behaviors. Some interesting patterns emerged:

- Students in CTOSs have higher levels of participation in extracurricular activities than all other students (CTE and general) and work in a job setting more hours per week than the general student population, further validating higher activity involvement among CTOS students.
- CTOS student extracurricular activity participation was positively associated with higher academic attainment, educational aspirations and participation in competitive events.
- CTOS teachers reported that they provided more SCANS type skills in their classrooms, and this was a significant predictor of students' career self-efficacy, motivation, experience of academic/job skills, and grades.

These findings suggest that some aspects of CTOSs have a positive impact on achievement and preparedness for post-high-school success.¹

CTE Vision: Ensure a dynamic workforce by fully developing every student's career and academic potential.

CTE Mission: Prepare Arizona students for workplace success and continuous learning

¹The National Research Center for Career and Technical Education, *The Value Added by Career and Technical Student Organizations (CTOSs) to Students' High School Experience*, Oct. 2005.

Arizona's Fastest Growing Occupations

Listed below are the fastest growing occupations in Arizona forecasted from 2003 – 2013.²

Arizona's Fast Growing Occupations 2003-2013 ¹							
Occupation Title ²	Employment		10 Year Employment Change				Average
	2003 Estimated	2013 Projected	Number	Percent	Sepa- rations	Total ³ Openings	Hourly Wage
Physician Assistants	2,341	4,178	1,837	78.47%	360	2,197	\$28.72
Medical Assistants	11,652	20,649	8,997	77.21%	2,155	11,152	\$11.36
Respiratory Therapy Technicians	813	1,426	613	75.40%	106	719	\$14.63
Medical Records & Health Information Technicians	3,137	5,397	2,260	72.04%	449	2,709	\$12.11
Dental Assistants	5,239	8,963	3,724	71.08%	1,465	5,189	\$12.69
Dental Hygienists	1,720	2,942	1,222	71.05%	147	1,369	\$28.69
Respiratory Therapists	1,285	2,197	912	70.97%	422	1,334	\$18.86
Physical Therapist Aides	1,336	2,227	891	66.69%	223	1,114	\$8.85
Physical Therapist Assistants	1,535	2,544	1,009	65.73%	256	1,265	\$14.58
Radiation Therapists	538	890	352	65.43%	123	475	\$29.95
Helpers--Extraction Workers	849	1,403	554	65.25%	239	793	\$12.64
Surgical Technologists	1,693	2,768	1,075	63.50%	221	1,296	\$19.65
Packaging & Filling Machine Operators & Tenders	4,345	7,027	2,682	61.73%	864	3,546	\$9.09
Cardiovascular Technologists & Technicians	561	904	343	61.14%	105	448	\$18.38
Social & Human Service Assistants	3,853	6,093	2,240	58.14%	678	2,918	\$12.88
Registered Nurses	34,123	53,901	19,778	57.96%	7,140	26,918	\$24.34
Medical Scientists, Except Epidemiologists	649	1,020	371	57.16%	114	485	\$26.97
Occupational Therapist Aides	121	190	69	57.02%	15	84	\$11.32
Home Health Aides	10,284	16,077	5,793	56.33%	1,347	7,140	\$8.80
Physical Therapists	2,341	3,636	1,295	55.32%	230	1,525	\$29.10
Occupational Therapists	1,003	1,550	547	54.54%	136	683	\$22.58
Nuclear Medicine Technologists	210	324	114	54.29%	39	153	\$25.46
Diagnostic Medical Sonographers	825	1,267	442	53.58%	154	596	\$26.54
Health Professionals & Technicians, All Other (OES Only)	1,645	2,522	877	53.31%	298	1,175	\$14.43
Occupational Therapist Assistants	232	355	123	53.02%	29	152	\$15.06
Mental Health & Substance Abuse Social Workers	1,873	2,859	986	52.64%	321	1,307	\$13.36
Textile, Apparel, & Furnishings Workers, All Others	2,058	3,141	1,083	52.62%	485	1,568	\$9.82

Note that the training for the vast majority of the occupations listed above can be obtained by earning a postsecondary credential, certificate or degree at one of the numerous state community colleges or private postsecondary institutions offering occupational education programs. The training necessary for some of the occupations listed can be completed by CTE students in a secondary career and technical education program.

²Data compiled from 2003 OES survey and 2003-2013 occupational projections prepared by the Arizona Dept. of Economic Security in cooperation with the U.S. Dept. of Labor, Bureau of Labor Statistics. For a complete list, go online to: http://www.workforce.az.gov/admin/uploadedPublications/1343_JobOpp03-13.pdf

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